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(54) Title: PHOTOREACTIVE COMPOUND SPECIFICALLY BINDING TO CALCIUM BINDING PROTEINS

(57) Abstract: The present invention provides a photoreactive reagent that binds specifically to Ca²⁺-binding proteins, links to them covalently after photo-activation, and labels them. The novel reagent enables the characterization, purification, inhibition and screening of Ca²⁺-binding proteins, as well as the preparation of a new affinity chromatography matrix and a new protein biosensor. The invention also relates to the use of the reagent in inhibiting apoptosis and necrosis and in diagnosing a disorder associated with a defect in the function of a Ca²⁺-binding protein, and in the preparation of a medicament for treating such disorders.



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